

# Petr Stepanov

Materials science. Gamma spectroscopy. Data analysis and computer simulations.

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📖 [scholar.google.com](https://scholar.google.com)

## Summary

Ph.D. graduate with expertise in gamma spectroscopy, positron annihilation spectroscopy, microscopy, and nuclear physics. Strong background in computational techniques: data analysis, particle simulations, software development (desktop and web applications).

Graduated from [BGSU](#) in May 2020. Seeking to become an effective member of a research group in the industry. Authorized to work in the US on [Optional Practical Training](#) (OPT) in physics, chemistry, and computer science. OPT expires in February 2023. Will consider visa sponsorship offers.

## Computer Skills

**Simulation and data analysis:** Geant4, CERN ROOT, Wolfram Mathematica, Maple.

**Academic writing:** LaTeX, MS Office Suite, Zotero.

**Data plotting:** OriginLab, Gnuplot, QtiPlot, SciDaVis, Grapher.

**Desktop applications development:** C/C++ and Qt, GNU Automake, CMake, Java and Swing, Python, Fortran.

**UI/UX design:** Figma, Sketch, Adobe Photoshop, Adobe Illustrator, Inkscape, Blender.

**Frontend:** HTML, CSS (LESS and SASS), Bootstrap, responsive web design, JavaScript and jQuery, npm, gulp, AngularJS, React.js. Google Web Toolkit. PHP and WordPress themes development.

## Material Research Skills

**Characterization facilities.** Positron Lifetime and Doppler Broadening Annihilation Spectroscopy (PALS, DBAR). Atom Probe Tomography (APT). Scanning Electron Microscopy (SEM). Transmission electron microscopy (TEM). Atomic Force Microscopy (AFM). UV-VIS Spectroscopy. Fourier Transform Infrared Spectroscopy (FTIR).

**Material processing.** High-temperature annealing. Wet chemical etching. Electrical Contact Fabrication. Sample polishing.

## Work Experience

| Research Collaborator (On-Site) | Jul 2020 - Current | | ---- | ---- | | sd | asdsd |

| Postdoctoral Researcher (Remote) | Jul 2020 - Current | | ---- | ---- | | sd | asdsd |

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